

## Report of Analysis

|                    |                                   |                 |                      |
|--------------------|-----------------------------------|-----------------|----------------------|
| Client:            | First Environment, Inc.           | Date Collected: | 08/07/25             |
| Project:           | USACE018-44 DOD                   | Date Received:  | 08/08/25             |
| Client Sample ID:  | SOIL-DUP-2                        | SDG No.:        | Q2820                |
| Lab Sample ID:     | Q2820-10                          | Matrix:         | SOIL                 |
| Analytical Method: | 8260D                             | % Solid:        | 48.4                 |
| Sample Wt/Vol:     | 5.39      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOC-TCLVOA-10        |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032093.D        | 1         | 08/14/25 15:01 | VW081425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 7.70  | U         | 2.20 | 7.70 | 9.60       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 4.80  | U         | 2.20 | 4.80 | 9.60       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 7.70  | U         | 2.10 | 7.70 | 9.60       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 4.80  | U         | 2.40 | 4.80 | 9.60       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 7.70  | U         | 2.30 | 7.70 | 9.60       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 4.80  | U         | 2.00 | 4.80 | 9.60       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 4.80  | U         | 1.90 | 4.80 | 9.60       | ug/Kg             |
| 67-64-1        | Acetone                        | 91.9  |           | 9.10 | 38.3 | 47.9       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 6.60  | J         | 2.00 | 7.70 | 9.60       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 4.80  | U         | 1.40 | 4.80 | 9.60       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 7.70  | U         | 3.00 | 7.70 | 9.60       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 15.3  | U         | 6.80 | 15.3 | 19.2       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 4.80  | U         | 1.60 | 4.80 | 9.60       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 38.3  | U         | 12.5 | 38.3 | 47.9       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 4.80  | U         | 1.90 | 4.80 | 9.60       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 4.80  | U         | 1.40 | 4.80 | 9.60       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 7.70  | U         | 2.20 | 7.70 | 9.60       | ug/Kg             |
| 67-66-3        | Chloroform                     | 7.70  | U         | 1.60 | 7.70 | 9.60       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 4.80  | U         | 1.80 | 4.80 | 9.60       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 4.80  | U         | 1.70 | 4.80 | 9.60       | ug/Kg             |
| 71-43-2        | Benzene                        | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 4.80  | U         | 1.60 | 4.80 | 9.60       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 4.80  | U         | 1.70 | 4.80 | 9.60       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 24.0  | U         | 6.90 | 24.0 | 47.9       | ug/Kg             |
| 108-88-3       | Toluene                        | 4.80  | U         | 1.50 | 4.80 | 9.60       | ug/Kg             |

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| Lab Sample ID:     | Q2820-10                          | Matrix:         | SOIL                 |
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| Sample Wt/Vol:     | 5.39      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOC-TCLVOA-10        |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

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| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VW032093.D        | 1         | 08/14/25 15:01 | VW081425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 4.80   | U         | 1.20     | 4.80 | 9.60       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 4.80   | U         | 1.20     | 4.80 | 9.60       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 4.80   | U         | 1.80     | 4.80 | 9.60       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 24.0   | U         | 7.10     | 24.0 | 47.9       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 4.80   | U         | 1.70     | 4.80 | 9.60       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 4.80   | U         | 1.70     | 4.80 | 9.60       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 4.80   | U         | 2.00     | 4.80 | 9.60       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 4.80   | U         | 1.70     | 4.80 | 9.60       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 4.80   | U         | 1.30     | 4.80 | 9.60       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 9.60   | U         | 2.40     | 9.60 | 19.2       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 4.80   | U         | 1.60     | 4.80 | 9.60       | ug/Kg             |
| 100-42-5                  | Styrene                     | 4.80   | U         | 1.40     | 4.80 | 9.60       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 4.80   | U         | 1.60     | 4.80 | 9.60       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 4.80   | U         | 1.50     | 4.80 | 9.60       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 4.80   | U         | 2.30     | 4.80 | 9.60       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 4.80   | U         | 3.30     | 4.80 | 9.60       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 4.80   | U         | 3.00     | 4.80 | 9.60       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 4.80   | U         | 2.80     | 4.80 | 9.60       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 7.70   | U         | 3.50     | 7.70 | 9.60       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 7.70   | U         | 5.70     | 7.70 | 9.60       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 7.70   | U         | 6.10     | 7.70 | 9.60       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 59.4   |           | 71 - 136 |      | 119%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 56.6   |           | 78 - 119 |      | 113%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 50.1   |           | 85 - 116 |      | 100%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 43.7   |           | 79 - 119 |      | 87%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 132000 | 7.965     |          |      |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 266000 | 8.849     |          |      |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 258000 | 11.636    |          |      |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 103000 | 13.556    |          |      |            |                   |

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|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products